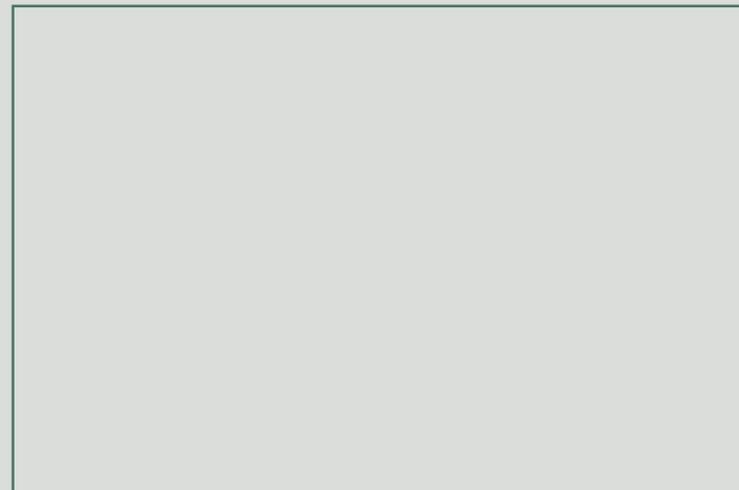
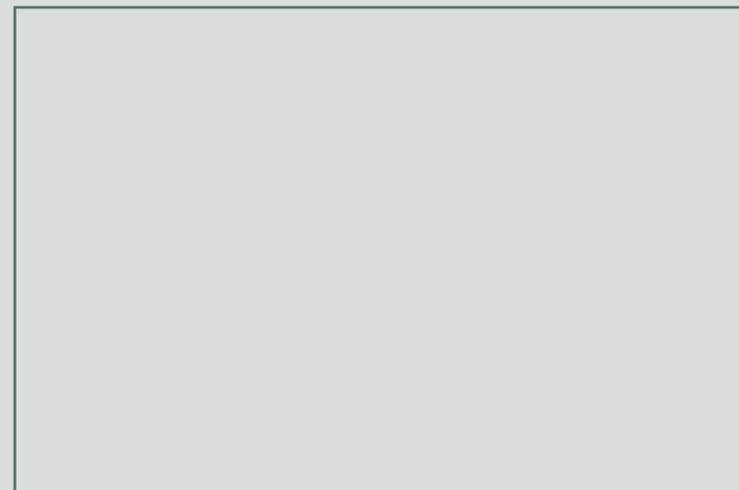


Map & Photo Legend

caption



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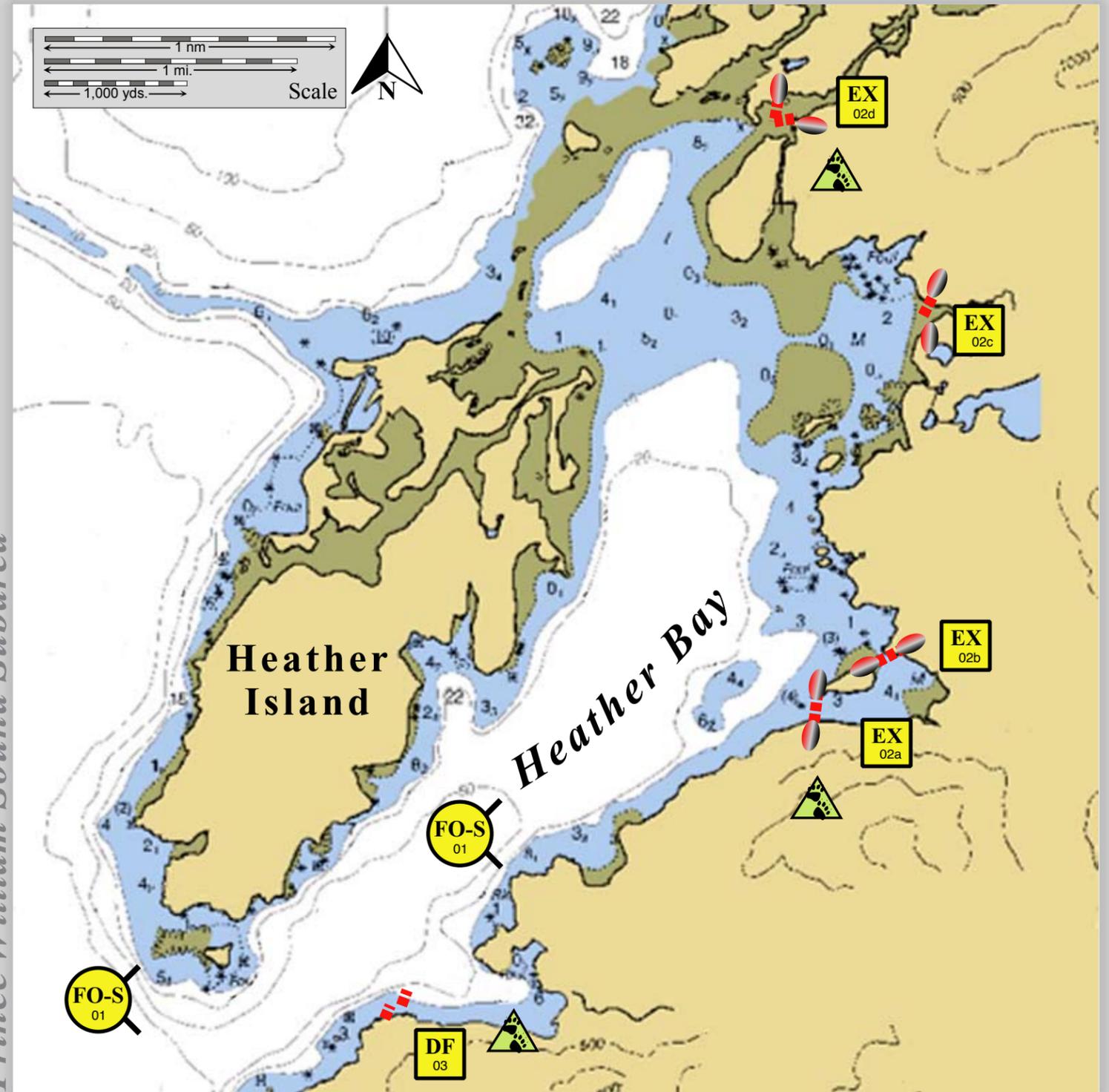
-  Free-oil Containment and Recovery, Shallow Water
-  Exclusion Booming
-  Deflection Booming
-  Protected-water Boom
-  Tidal-seal Boom
-  Bears in Area, Guards Recommended

caption

Geographic Response Strategies for Prince William Sound Subarea

Heather Bay, PWS-NE-23

Center of map at 60° 59.73' N Lat., 147° 00.18' W Lon.



This is not intended for navigational use.

Soundings in fathoms

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
PWS NE-23-01 	Heather Bay Nearshore waters in the general area of: Lat. 60°59.73'N Lon. 147°00.18'W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Heather Bay depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Heather Bay. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Valdez	Via marine waters Chart 16713-1	Same as NE-23-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
PWS NE-23-02 	Heather Bay a. Lat. 60° 58.18'N Lon. 146°59.31'W b. Lat. 60° 58.40'N Lon. 146°59.01'W c. Lat. 60°59.61' N Lon. 146°59.65'W d. Lat. 61°00.28' N Lon. 146°59.65'W	Exclusion Exclude oil from impacting the identified streams and intertidal areas in Heather Bay.	Deploy anchors and boom with skiffs (class 6) at high tide. Place 60 ft. sections of tidal-seal boom on the ends of the exclusion booms and complete with protected-water boom. Arrays (a)&(b) exclude the entrance to the small cove using the island as a shore anchor point. Arrays (c)&(d) are place in a chevron pattern in front of the identified streams. Tend throughout the tide. <u>Boom Lengths:</u> a. 1000 ft. b. 1000 ft. c. 500 ft. d. 500 ft.	Deployment Equipment 3000 ft. protected-water boom 640 ft. tidal-seal boom 15 ea. anchor systems 16 ea. anchor stakes Vessels 1 ea. class 3 2 ea. class 6 Personnel/Shift 7 ea. vessel crew/general techs Tending Vessels 1 ea. class 3 1 ea. class 6 Personnel/Shift 3 ea. vessel crew/general techs	Vessel platform	Via marine waters Chart 16713-1	Fish- intertidal spawning-salmon (May-Sept.), Birds-waterfowl concentrations, eagle nesting, seabird nesting Marine mammals- otters, seal, sea lions Habitat- marsh, sheltered rocky shoreline. Human use-high-use recreational area, commercial fishing,wildlife viewing.	Vessel master should have local knowledge. Title 16 Fish Habitat Permit required from ADF&G. A population of bears is present during salmon runs. A bear guard is required. Site surveyed: 6/17/09 PWS GRS Tactics Committee. Tested: not yet
PWS NE-23-03 	Heather Bay-Emerald Cove Lat. 60° 57.04' N Lon. 147°02.54' W	Deflection Deflect oil coming from the southwest away from Emerald Cove and back into the channel for free-oil recovery. If natural deflection is sufficient for Free-oil Recovery, deployment is not necessary.	Deploy boom and anchor system with skiffs (class 6). Anchor one boom ashore and position the 2x 300ft. booms in a cascaded fashion at a proper angle to deflect oil from Emerald Cove. Tend throughout the tide.	Deployment Equipment 600 ft. protected-water boom 5 ea. medium anchor systems 2 ea. anchor stakes Vessels/Personnel/Shift Same as NE23-03 Tending Vessels/Personnel/Shift Same as NE23-03	Vessel platform	Via marine waters Chart 16713-1	Same as NE-23-03	Vessel master should have local knowledge. Tested: not yet